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FOREST, ENVIRONMENT & CLIMATE CHANGE DEPARTMENT

NOTIFICATION

The 14th March 2024

S.R.O. No. 233/2024.—Whereas, Forest Block Makridungri Reserve Forest under Section-20-A of the Indian Forest Act, 1927, has been notified by Government of Odisha, Co-operation and Forestry Department Notification No. 11044-CF, dated the 9th June 1967 indicating an area of 68.39 ha in Hemgir Forest Range of Sundargarh Forest Division as mentioned in the working plan of the Division (2014-15 to 2023-24) as per Annexure-I;

And whereas, the Government of Odisha in the Forest & Environment Department have notified a "Standard Operating Procedure (SOP) for geo-referencing of Forest Block boundary through DGPS Survey" in the *Odisha Gazette* vide Notification No.22572400112016-10F(Cons.)-77/2016/14097-F&E, dated the 4th July 2017, for preparation of such geo-referenced forest maps in pursuance of the directives of Hon'ble Supreme Court in their Order, dated the 6th July 2011 (in IA Nos. 1868, 2091, 2225-2227, 2380, 2568 and 2937 in Writ Petition (C) No. 202 of 1995-Lafarge matter);

And whereas, the Government of Odisha have appointed all Tehsildars in their respective Tehsil jurisdiction in the respective districts as Forest Settlement Officer (FSO) vide Notification No. 7767-10F(TR)-38/2020-F&E, dated the 21st May 2020;

And whereas, the Forest Revenue Joint Verification Committee has jointly verified and confirmed the boundary pillar positions as per report in Annexure-II;

And whereas, the Forest Settlement Officer has certified 'No Change' in the boundary extent of Makridungri RF post 25th October 1980. The DGPS survey boundary co-ordinates have been verified by ORSAC and certified by the Forest Settlement Officer. The computed area (UTM Zone 44N projection and WGS 84 datum) of the Makridungri RF is 66.828 ha or 165.14 Ac. The change in area is due to method of Survey & Area Computation.

Therefore, it has been decided to supplement the existing notification of the Makridungri RF with the above-mentioned FSO certified DGPS surveyed Forest Block map as per Annexure-III,

and the statement of geo-co-ordinates of the Forest Block boundary pillar positions as per Annexure-IV, which shall be treated as the precise boundary description of the Makridungri RF and shall form an integral part of the original notification in place of any other form of boundary description notified earlier.

There shall be no change to the admitted rights in the original notification.

[No. 5051—FE-DIV-MISC-0011/2016-10F(Cons.)-34/2020-FE&CC]

By order of the Governor

SATYABRATA SAHU

Additional Chief Secretary to Government

Annexure-I
Working plan of Sundargarh forest division 2014-15 to 2023-24

LIST OF RFs WITH NOTIFICATION NO.

Name of the District	Name of the Division	Sl. No	Name of the R.F.	Notification No & Date	R.F. Area in Ha.
1	2	3	4	5	6
Sundargarh	Sundargarh	1	Runga	1166-12F(M)/2152/CF Dt.24.01.1962-63	4902.94
		2	Kalatpani	11044/C.F dt. 09.06.1967	792.80
		3	Dhanuardihi	11044/C.F dt. 09.06.1967	12.95
		4	Sarngijharia- A	F.S. 267/99- 11666/R Dt. 8.03.2000	55.27
		5	Chhengapahad	11044/ C.F. dt. 09.06.1967	1017.41
		6	Hundarkhol	11044/ C.F. dt. 09.06.1967	775.00
		7	Sisoopahad	11044/ C.F. dt. 09.06.1967	485.23
		8	Makarchata	11044/ C.F. dt. 09.06.1967	368.27
		9	Giripahad	11044/ C.F. dt. 09.06.1967	392.96
		10	Budla Khaman	11044/ C.F. dt. 09.06.1967	252.53
		11	Makri-dungri	11044/ C.F. dt. 09.06.1967	68.39
		12	Budha-dungri	11044/ C.F. dt. 09.06.1967	64.34
		13	Beheramunda	11044/ C.F. dt. 09.06.1967	48.15
		14	Ghantiachhapal	11044/ C.F. dt. 09.06.1967	27.11
		15	Satparlia	11044/ C.F. dt. 09.06.1967	114.12
		16	Tangopahad	11044/ C.F. dt. 09.06.1967	72.44
		17	Chitki khadu	11044/ C.F. dt. 09.06.1967	1455.70
		18	Rohini	11044/ C.F. dt. 09.06.1967	1298.27
		19	Singaribahal	11044/ C.F. dt. 09.06.1967	1279.66
		20	Dheknapani	11044/ C.F. dt. 09.06.1967	1270.75

Annexure-II

FOREST REVENUE JOINT VERIFICATION COMMITTEE REPORT

Forest Division: Sundargarh **Forest Range:** Hemagiri

Minutes of Joint Verification:

List of participation of the Forest-Revenue joint verification committee is given at Table 1.

Joint Verification of the boundary of **Makridungri RF** Forest Block was carried out during 27-11-2019 to 27-11-2019. Existing pillar position recorded through GPS were plotted and compared against geo-referenced cadastral maps of adjoining villages. The verified forest boundary map is enclosed at Plate-1. Findings of the verification w.r.t. revenue cadastral is given below:

- Name of notified forest block: Makridungri RF
- Notification no. & date: 11044/ C.F. Dt. 09-06-1967
- Area as per notification: 68.39 Ha
- Existing no. of boundary demarcations in conformity with adjoining village boundary: 44 nos. (Annexure -1)
- New boundary demarcations in conformity with adjoining village boundary: Not Available
- GPS area of verified boundary: 66.944 ha
- GPS perimeter of verified boundary: 4.684 km

Observations:

Notification is not available. Available Traverse map is enclosed at Appendix-1 (area as per Division record=68.39 ha). The verified boundary shape & area matches with the Traverse map (diff is -1.446 ha, i.e. -2.11 % from NFA). Forest boundary demarcation Pillars in Conformity with Cadastral Map, existing pillars & HRSI. Change of area is due to old method of Survey and Area computation.

TABLE - 1

Forest and Revenue department officials(RO/FR/FG/RI/Amin) and TP involved in Joint verification of Forest Boundary		
Name	**Designation**	**Signature**
Baljit Dungdung	FRO	
Kanakalata Pradhan	RI, Hemgir	
Akshaya Kumar Sethi	Sri Kuldeep	
Sidheswar Sahu	CDLTP	S. Sahu

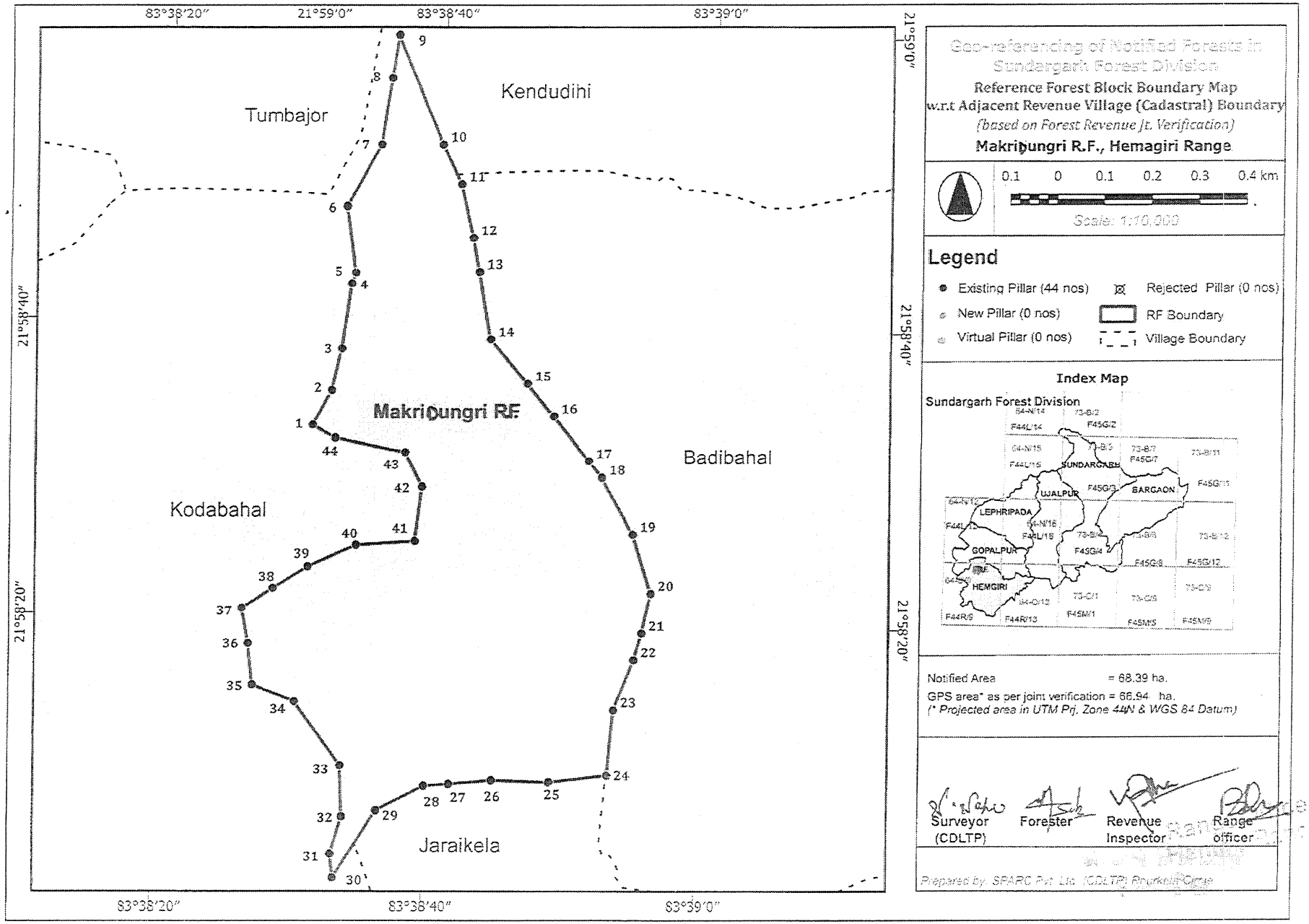
Counter Signed by :

Divisional Forest Officer

Tahsildar

TAHASILDAR
HEMGIR

Annexure-II



Geo-referencing of Notified Forests in Sundargarh Forest Division

Reference Forest Block Boundary Map
w.r.t Adjacent Revenue Village (Cadastral) Boundary
(based on Forest Revenue Jt. Verification)
Makripungri R.F., Hemagiri Range

0.1 0 0.1 0.2 0.3 0.4 km

Scale: 1:10,000

Legend

- Existing Pillar (44 nos)
- Rejected Pillar (0 nos)
- New Pillar (0 nos)
- RF Boundary
- Virtual Pillar (0 nos)
- Village Boundary

Index Map

Sundargarh Forest Division

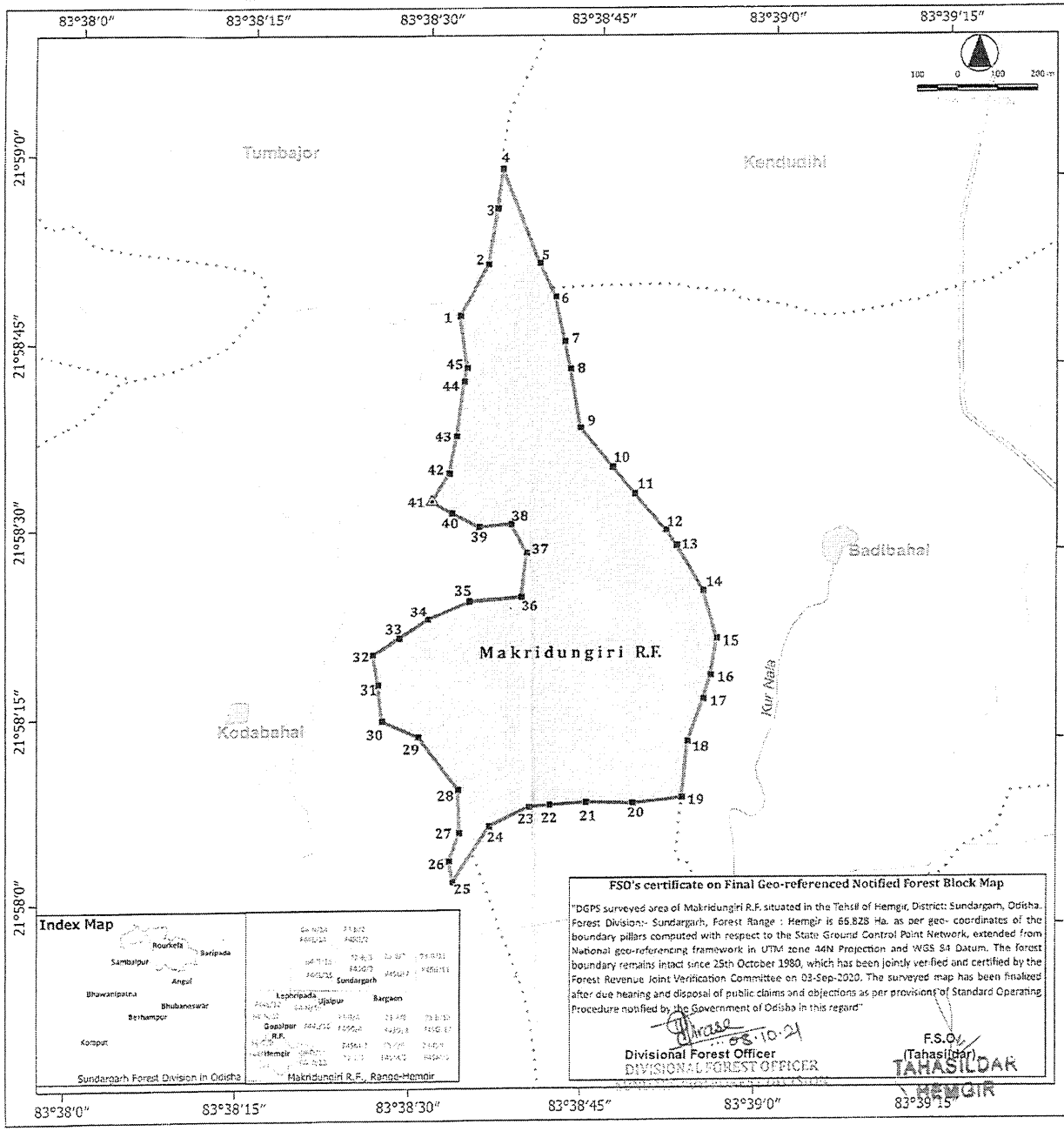
Notified Area = 68.39 ha.
GPS area* as per joint verification = 66.94 ha.
(Projected area in UTM Prj. Zone 44N & WGS 84 Datum)*

Surveyor (CDLTP) | Forester | Revenue Inspector | Range officer

Prepared by: SPARC Pvt. Ltd. (CDLTP) Rourkela Circle

FSO Certified DGPS Surveyed Forest Block Map

Annexure-III



MAKRIDUNGRI R.F.

Forest Division : SUNDARGARH, Forest Range : HEMGIR

Geo-referenced Forest Block Map based on DGPS Survey

Legend :-

- Forest Boundary Pillar / Virtual Pillar
- FPCP on Forest Boundary
- Forest Block Boundary
- Revenue Village Boundary
- Settlement
- Range Boundary
- Railway
- Major Road
- Other Road
- River / Stream / WB

Statement of Geo-coordinates of Pillar Position (UTM Zone:44N. WGS 84 Datum)

Sundargarh Forest Division, Hemgir Range

Pillar No.	Longitude	Latitude
1	83° 38' 33.1609816"	21° 58' 47.8988647"
2	83° 38' 35.3465552"	21° 58' 53.8841567"
3	83° 38' 36.6238748"	21° 58' 56.4582007"
4	83° 38' 36.4243320"	21° 58' 59.0372087"
5	83° 38' 39.8529038"	21° 58' 59.1824550"
6	83° 38' 41.5048864"	21° 58' 58.5778664"
7	83° 38' 42.2208682"	21° 58' 56.0158120"
8	83° 38' 42.7901127"	21° 58' 53.8007200"
9	83° 38' 43.7562008"	21° 58' 50.8488176"
10	83° 38' 46.6629904"	21° 58' 45.9092952"
11	83° 38' 48.5725536"	21° 58' 43.3742408"
12	83° 38' 51.7534412"	21° 58' 40.9158776"
13	83° 38' 53.3331512"	21° 58' 39.7075008"
14	83° 38' 54.7239224"	21° 58' 38.0801776"
15	83° 38' 55.9724496"	21° 58' 36.2913936"
16	83° 38' 55.5370288"	21° 58' 33.2540088"
17	83° 38' 54.8454048"	21° 58' 27.5407952"
18	83° 38' 53.6708440"	21° 58' 14.4309480"
19	83° 38' 53.2566296"	21° 58' 9.5844000"
20	83° 38' 48.0249520"	21° 58' 9.0637320"
21	83° 38' 44.9802680"	21° 58' 9.0715440"
22	83° 38' 41.7229408"	21° 58' 8.7356568"
23	83° 38' 39.3880632"	21° 58' 8.5760544"
24	83° 38' 36.4335552"	21° 58' 8.9559036"
25	83° 38' 33.6157920"	21° 58' 9.3911568"
26	83° 38' 33.0483024"	21° 58' 4.0489932"
27	83° 38' 33.8827320"	21° 58' 0.4144620"
28	83° 38' 33.6653808"	21° 58' 51.8733108"
29	83° 38' 30.1238664"	21° 58' 14.1203604"
30	83° 38' 26.9923860"	21° 58' 15.5219340"
31	83° 38' 26.5980564"	21° 58' 18.1049868"
32	83° 38' 26.0779332"	21° 58' 20.5472064"
33	83° 38' 26.3022888"	21° 58' 21.8868252"
34	83° 38' 30.7671060"	21° 58' 23.3923688"
35	83° 38' 34.2989924"	21° 58' 24.9332388"
36	83° 38' 36.7985556"	21° 58' 26.3223000"
37	83° 38' 39.3824328"	21° 58' 28.6541928"
38	83° 38' 37.7727424"	21° 58' 31.1260596"
39	83° 38' 36.9849888"	21° 58' 30.8861064"
40	83° 38' 32.6279004"	21° 58' 31.9629000"
41(FPCP)	83° 38' 30.8571336"	21° 58' 32.8915304"
42	83° 38' 32.3317332"	21° 58' 38.1406656"
43	83° 38' 32.9183676"	21° 58' 38.1089940"
44	83° 38' 33.4711332"	21° 58' 42.6383400"
45	83° 38' 33.6861600"	21° 58' 43.7176932"

Differential GPS Surveyed area= 66.828 Ha.

FSO's certificate on Final Geo-referenced Notified Forest Block Map

"DGPS surveyed area of Makridungiri R.F. situated in the Tehsil of Hemgir, District: Sundargarh, Odisha, Forest Division:- Sundargarh, Forest Range : Hemgir is 66.828 Ha. as per geo- coordinates of the boundary pillars computed with respect to the State Ground Control Point Network, extended from National geo-referencing framework in UTM zone 44N Projection and WGS 84 Datum. The forest boundary remains intact since 25th October 1980, which has been jointly verified and certified by the Forest Revenue Joint Verification Committee on 03-Sep-2020. The surveyed map has been finalized after due hearing and disposal of public claims and objections as per provisions of Standard Operating Procedure notified by the Government of Odisha in this regard"

Divisional Forest Officer
DIVISIONAL FOREST OFFICER

F.S.O.
(Tahasildar)
TAHASILDAR
HEMGIR

Note:-

1. The pillar locations area as per joint field verification and certification by the Forest - Revenue Joint Verification Committe (FRJVC) on 03-Sep-2020.

2. Above DGPS Coordinates are with respect to Forest Primary Control Point (FPCP) located at central nursery Ujalpur Range (FPCP Code: SNG-06-008)

Annexure-IV

STATEMENT OF GEO-COORDINATES OF PILLAR POSITIONS

Forest Division: **Sundargarh** Forest Range : **Hemgir** Forest Block Name: **Makridungri RF**

Ground Control Point (GCP) References. (All coordinates in WGS84 datum & UTM Zone 44N projection)

GCP Type	GCP Location	Latitude(DMS)	Longitude(DMS)	Latitude(DD)	Longitude(DD)
FPCP	Hemagiri Range Office	21°52'45.540408"	83°44'21.576516"	21.87931678	83.73932681
FSCP1	Makridungri RF , Pillar No- 41	21°58'32.891304"	83°38'30.857136"	21.97580314	83.64190476

Geo-coordinates of Boundary Pillar Position (Total: 45 nos.)

Pillar No	Latitude(DMS)	Longitude(DMS)	Latitude(DD)	Longitude(DD)
1	21°58'47.898984"	83°38'33.003816"	21.97997194	83.64250106
2	21°58'51.984156"	83°38'35.346552"	21.98110671	83.64315182
3	21°58'56.458200"	83°38'36.028248"	21.98234950	83.64334118
4	21°58'59.637108"	83°38'36.424320"	21.98323253	83.64345120
5	21°58'52.182480"	83°38'39.832008"	21.98116180	83.64439778
6	21°58'49.577664"	83°38'41.304264"	21.98043824	83.64480674
7	21°58'46.028820"	83°38'42.229860"	21.97945245	83.64506385
8	21°58'43.802220"	83°38'42.796212"	21.97883395	83.64522117
9	21°58'39.048816"	83°38'43.756908"	21.97751356	83.64548803
10	21°58'35.909292"	83°38'46.622904"	21.97664147	83.64628414
11	21°58'33.824208"	83°38'48.572556"	21.97606228	83.64682571
12	21°58'30.915876"	83°38'51.353412"	21.97525441	83.64759817
13	21°58'29.707500"	83°38'52.333512"	21.97491875	83.64787042
14	21°58'26.080176"	83°38'54.729924"	21.97391116	83.64853609
15	21°58'22.291896"	83°38'55.971456"	21.97285886	83.64888096
16	21°58'19.354008"	83°38'55.517028"	21.97204278	83.64875473
17	21°58'17.540760"	83°38'54.945204"	21.97153910	83.64859589
18	21°58'14.130480"	83°38'53.670840"	21.97059180	83.64824190
19	21°58'9.584400"	83°38'53.296296"	21.96932900	83.64813786
20	21°58'9.063732"	83°38'49.014924"	21.96918437	83.64694859
21	21°58'9.071544"	83°38'44.980260"	21.96918654	83.64582785
22	21°58'8.775696"	83°38'41.727408"	21.96910436	83.64492428
23	21°58'8.576544"	83°38'39.880824"	21.96904904	83.64441134
24	21°58'6.953016"	83°38'36.433572"	21.96859806	83.64345377
25	21°58'2.391168"	83°38'33.415260"	21.96733088	83.64261535
26	21°58'4.048932"	83°38'33.048024"	21.96779137	83.64251334
27	21°58'6.414420"	83°38'33.882720"	21.96844845	83.64274520
28	21°58'9.872328"	83°38'33.685800"	21.96940898	83.64269050
29	21°58'14.101500"	83°38'30.120864"	21.97058375	83.64170024
30	21°58'15.319344"	83°38'26.992860"	21.97092204	83.64083135
31	21°58'18.104988"	83°38'26.590164"	21.97169583	83.64071949
32	21°58'20.547264"	83°38'26.079432"	21.97237424	83.64057762
33	21°58'21.866232"	83°38'28.302288"	21.97274062	83.64119508
34	21°58'23.395368"	83°38'30.767100"	21.97316538	83.64187975

Pillar No	Latitude(DMS)	Longitude(DMS)	Latitude(DD)	Longitude(DD)
35	21°58'24.933288"	83°38'34.299924"	21.97359258	83.64286109
36	21°58'25.335300"	83°38'38.798556"	21.97370425	83.64411071
37	21°58'28.854192"	83°38'39.192432"	21.97468172	83.64422012
38	21°58'31.150596"	83°38'37.772772"	21.97531961	83.64382577
39	21°58'30.886104"	83°38'34.984968"	21.97524614	83.64305138
40	21°58'31.962900"	83°38'32.627904"	21.97554525	83.64239664
41	21°58'32.891304"	83°38'30.857136"	21.97580314	83.64190476
42	21°58'35.140656"	83°38'32.331732"	21.97642796	83.64231437
43	21°58'38.168940"	83°38'32.918676"	21.97726915	83.64247741
44	21°58'42.638340"	83°38'33.471132"	21.97851065	83.64263087
45	21°58'43.717692"	83°38'33.686160"	21.97881047	83.64269060

***** END of Statement*****

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